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25X1

basic imagery interpretation report

Komsomolsk Airframe Plant Ordzhonikidze 126 (S)

STRATEGIC WEAPONS INDUSTRIAL FACILTIES

25X1

USSR

Secret

WNINTEL

Z-14593/82
RCA-09/0015/82
AUGUST 1982
Copy 28

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INSTALLATION OR ACTIVITY NAME					COUNTRY
Komsomolsk Airframe Plant Ordzhonikidze 126					USSR
UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NO.	COMIREX NO.	NIETB NO.
NA	50-35-20N 137-05-10E				

25X1

MAP REFERENCE

SAC. USATC, Series 200, Sheet M0204-8, scale 1:200,000

LATEST IMAGERY USED	NEGATION DATE (If required)
	NA

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ABSTRACT

1. (S/WN) This report updates NPIC report on Komsomolsk Airframe Plant Ordzhonikidze 126 and satisfies the basic reporting requirement for this installation. This report describes activity at the plant since the information cutoff date of the previous report.

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2. (S/WN) Construction at the plant from resulted in an increase of 49,914 square meters of floorspace. As of the date of the latest imagery used, the plant contained 378,777 square meters of completed floorspace and 16,241 square meters of floorspace under construction. This report includes a location map, seven annotated photographs, a graph, and a table.

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BASIC DESCRIPTION

Construction

3. (S/WN) Komsomolsk Airframe Plant Ordzhonikidze 126 is approximately 4 nautical miles (nm) northeast of the center of Komsomolsk, near the Amur River (Figure 1). The plant is divided into two main areas, the southeast plant area and the northwest plant area (Figure 2). Komsomolsk Airfield is between the two areas and serves as the test and flyaway field for the plant.

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4. (S/WN) The plant comprises 117 major buildings and structures and numerous small support structures. Since nine completed buildings or structures have been added to the southeast plant area; one additional building was still under construction at the end of the reporting period. Six buildings or structures have been added to the northwest plant area and two of these buildings were still under construction at the end of the reporting period. In the southeast plant area 11,631 square meters of completed floorspace have been added and in the northwest plant area 38,283 square meters of floorspace have been added.

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5. (S/WN) For this report, the major buildings and structures in Plant 126 have been renumbered and remeasured. Several buildings not mentioned in previous reports have been included.

Southeast Plant Area

6. (S/WN) A warehouse (item 12, Figure 3) with 439 square meters of floorspace was completed by April 1979 in the production section. In addition, nine POL storage tanks (item 13) were emplaced by that date. An addition (item 15a) of 2,679 square meters of floorspace to the steamplant was completed by January 1981. The steamplant is supported by a 1,972,200-liter-capacity fuel oil storage tank (item 14). The storage tank had been completed by July 1980. A multistory laboratory/engineering building (item 34) with 5,103 square meters of floorspace was completed by October 1979.

7. (S/WN) The most recent development in the production section of the southeast plant area is a large subassembly building (item 36) under construction. Construction was begun on the administration/engineering section (item 36b) in May 1978. When complete, it will be at least four stories high with 3,600 square meters of floorspace. The subassembly section (item 36a) was begun in September 1979 and will add approximately 9,412 square meters of production floorspace to the plant.

(Continued p. 6)

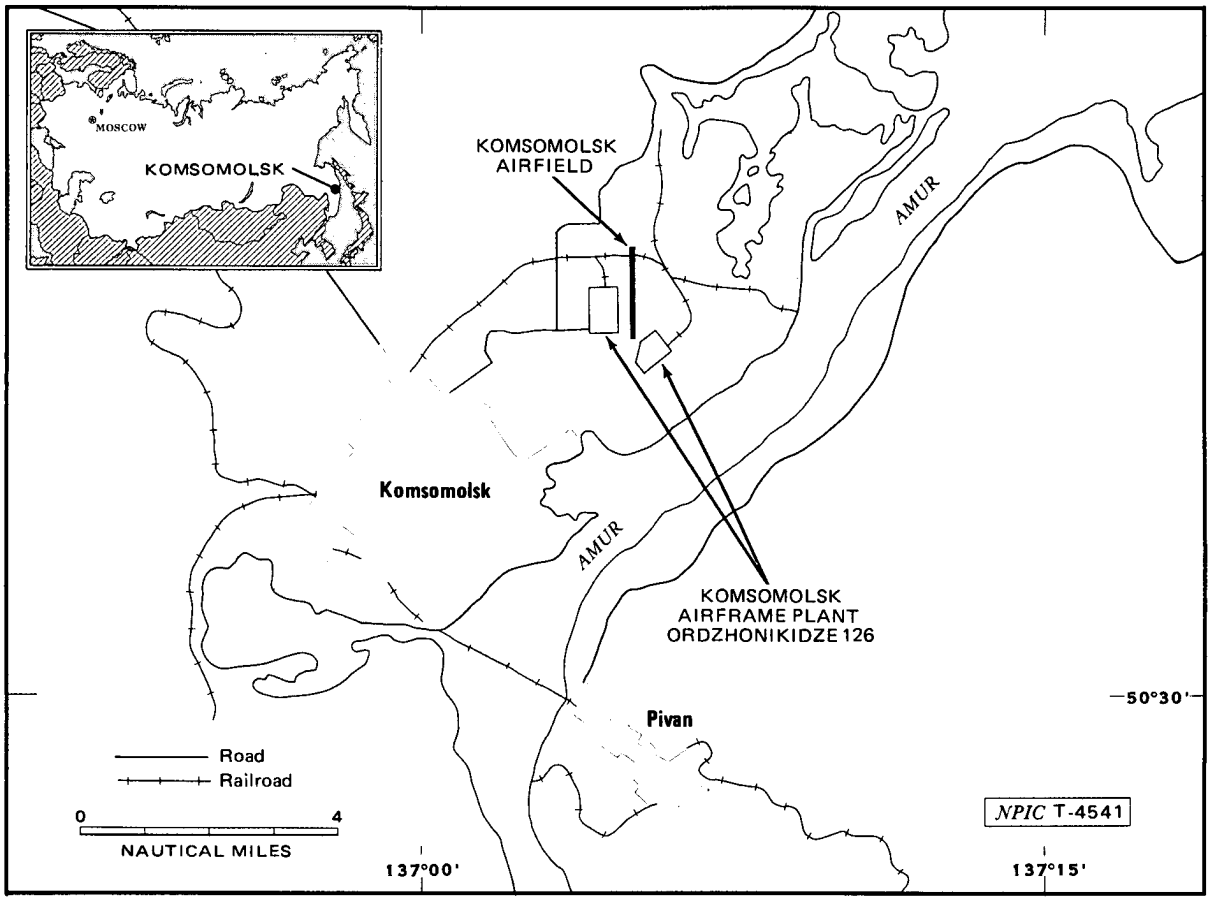

FIGURE 1. LOCATION OF KOMSOMOLSK AIRFRAME PLANT ORDZHONIKIDZE 126, USSR

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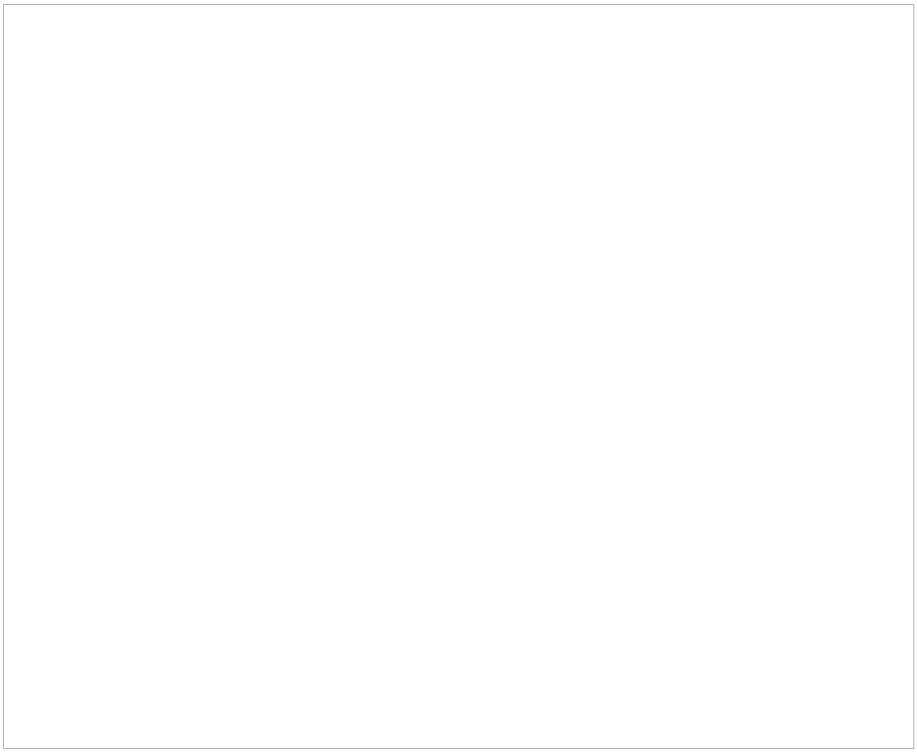

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Table 1.
Komsomolsk Airframe Plant Ordzhonikidze 126
(Items Keyed to Figure 3)

This table in its entirety is classified SECRET WNINTEL

Item	Description	Dimensions (m) L	W	H	Floorspace (sq m)	Date Completed	Remarks
Southeast Plant Area							
Production Section							
1	Spt bldg				618	Mar 58	
2	Stor bldg				1.346	Apr 77	
3	Shop bldg				2.971	Feb 64	
4	Shop bldg				2.574	Dec 68	
5	Warehouse				749	Aug 70	
6	Shop bldg				938	Apr 74	
7	Spt bldg				284	Jan 76	
8	Substation				—	Mar 58	
9	Stor bldg				622	Feb 74	
10	Warehouse				3.145	Mar 58	
11	Warehouse				296	Jul 76	
12	Warehouse				439	Apr 79	
13	Pol stor tanks				—	Apr 79	9 tanks
14	Oil Stor tank				—	Jul 80	1.972.200-liter capacity
15	Steamplant				2.248	Mar 58	
a	Steamplant add				2.879	Jan 81	
16	Stor bldgs (a-f)				1.620	Sep 72	Total floorspace of 6 quonset-type bldgs (a-f); dimensions for each bldg
17	Warehouse				1.297	Aug 71	
18	Stor bldgs (a-d)				1.338	Oct 73	Total floorspace of 4 quonset-type bldgs (a-d); dimensions for each bldg
19	Warehouse				4.351	Mar 65	
20	Stor bldg				298	Sep 72	
21	Shop bldg				963	Mar 58	
22	Stor bldg				219	Sep 72	
23	Warehouse				713	Mar 58	
24	Subassem bldg				17.210	Jun 62	
25	Shop bldg				1.342	Jun 71	
26	Warehouse				4.990	Jun 62	
27	Spt bldg				259	Mar 58	
28	Shop bldg				1.189	Mar 58	Includes 2-story admin engr sec
29	Cooling tower				—	Mar 58	3 fans
30	Shop bldg				1.073	Jun 71	
31	Warehouse				534	Mar 72	
32	Shop bldg				244	Jun 72	
33	Forge foundry				6.346	Dec 74	
34	Lab engr bldg				5.103	Oct 79	Multistories
35	Spt bldg				382	Mar 58	
36	Subassem bldg				—	—	
a	Subassem sec				9.412	—	Under construction since Sep 79
b	Admin engr sec				3.600	—	Under construction since May 78 at least 4 stories

Table 1. (con't)

Item	Description	Dimensions (m) L	W	H	Floorspace (sq m)	Date Completed	Remarks
37	Subassem bldg				17,571	Jun 66	Includes 3-story admin/engr sec
38	Assem bldg				47,915	Mar 74	Includes 4-story admin/engr sec
39	Admin bldg				7,412	Mar 58	3- and 4-story admin/engr secs
Transshipment Section							
40	Spt bldg				355	May 65	
41	Transshipment bldg				3,337	Mar 58	
42	Transshipment bldg				4,143	Mar 58	
43	Spt bldg				—	Feb 64	
a	Sec				140	—	
b	Sec				171	—	
c	Sec				197	—	
d	Sec				210	—	
e	Sec				325	—	
44	Spt bldg				214	Mar 58	
45	Stor bldg				319	Jul 76	
46	Spt bldg				1,115	Feb 64	Two small, connected bldgs
47	Warehouse				3,852	Jan 78	2 stories
48	Stor bldg				474	Jun 81	
49	Transshipment bldg				—	Jun 61	
a	Stor sec				3,893	—	
b	Loading dock sec				2,253	—	
Checkout Section							
50	Hangar				10,127	Feb 64	
51	Hangar				4,000	Mar 58	
52	Operations bldg				988	Dec 78	2 stories
53	Vehicle maint bldg				1,290	Mar 58	
54	Spt and test bldg				—	Jun 62	
a	Spt sec				479	—	
b	Test and calibration sec				894	—	
55	Stor bldg				318	Mar 58	
56	Spt bldg				1,264	Jul 81	
57	Operations bldg				679	Sep 67	2 stories
58	Test bldg				275	May 67	
59	Stor bldg				319	Sep 72	
60	Spt bldg				318	Sep 72	2 stories
Carpentry Section							
61	Vehicle maint bldg				2,192	Mar 58	
62	Carpentry bldg				2,318	Mar 58	
63	Carpentry bldg				1,640	Mar 58	
64	Carpentry bldg				4,102	Jan 71	
65	Vehicle maint bldg				684	Jul 79	
66	Stor bldg				312	Jul 76	

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Horizontal measurements are accurate to within [ ] of measured distance) and vertical to within [ ] of measured distance), both within a 95% confidence interval.

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8. (S/WN) The only addition to the transshipment area was a storage building (item 48) with 474 square meters of floorspace which had been completed by June 1981.

9. (S/WN) In the checkout area, a support building (item 56) containing 1,264 square meters of floorspace had been completed by July 1981. An operations building (item 52) with two stories and 988 square meters of floorspace had been completed by December 1978.

10. (S/WN) A vehicle maintenance building (item 65) had been completed by July 1979 in the carpentry area; it contains 684 square meters of floorspace.

Northwest Plant Area

11. (S/WN) A large subassembly building (item 1, Figure 4) was completed during the reporting period. Although two sections (items 1b and 1e) were externally complete, but not operational prior to [redacted] the other three sections (items 1a, 1c, and 1d) were not completed until August 1979. The subassembly sections (items 1a and 1b) contain 28,123 square meters of floorspace and the four-story administration/engineering sections (items 1c, 1d and 1e) contain a total of 8,892 square meters of floorspace. 25X1

12. (S/WN) A support section (item 5a) with 374 square meters of floorspace had been added to a subassembly building by September 1980. A shop building (item 9) containing 654 square meters of floorspace had also been completed by September 1980.

13. (S/WN) A storage building (item 38), containing 240 square meters of floorspace, was completed by February 1980. It is the most recently completed building in this chronology of construction in the northwest plant area.

14. (S/WN) Only two buildings were under construction in the northwest plant area at the end of the reporting period. Construction on an underground building (item 24), possibly a personnel shelter, was begun in May 1980. The building contains 1,624 square meters of floorspace and will probably be earth covered. A support building with 272 square meters of floorspace was razed in February 1980 to permit construction of the underground building. The other building under construction (item 48) was begun in July 1978 and contains 1,605 square meters of floorspace. Construction on this building has been stopped, and its function has not been determined.

Production

15. (S/WN) Plant 126 continues to produce FITTER G, H, J, and K aircraft. However, during the period covered by this report, a significant development was observed at Plant 126. On imagery of [redacted] a canvas-covered RAM-K was observed (Figure 5). Up to that time, RAM-K aircraft had been seen only at Ramenskoye Flight Test Center [redacted] The RAM-K was initially seen at Ramenskoye in April 1978. This Sukhoi-designed fighter has twin vertical stabilizers and a high-visibility canopy. Its presence at Plant 126 indicates that it will be produced there. 25X1 25X1

16. (S/WN) A RAM-K fuselage was observed in the checkout area for the first time on [redacted] 25X1
[redacted] coverage. This observance is another indication of impending production of the 25X1
RAM-K at Plant 126. A RAM-K was seen on the engine runup apron on the same date. One RAM-K and one RAM-K fuselage were consistently observed in the checkout area from January through July 1980. In July 1980, a second RAM-K fuselage was near the exit of the final assembly hall in the northwest plant area (Figure 6). A third RAM-K fuselage was at the plant on [redacted] 25X1
[redacted] 25X1

17. (S/WN) On imagery of [redacted] an apparently damaged RAM-K fuselage was 25X1
observed in the northwest plant area. This fuselage may have been a mockup used for production line tests or production line coordination. It had been removed from the northwest plant area by September 1981 and has not been observed since.

18. (S/WN) Other significant activity was observed on imagery of [redacted] when a 25X1
newly modified RAM-K was seen on an engine runup stand in the checkout area in the southeast plant area (Figure 7). The modifications which distinguish this RAM-K include repositioned vertical stabilizers, possibly reconfigured wings, and a possible tail extension. Canvas covering precluded a complete assessment of the modifications.

19. (S/WN) The twin vertical stabilizers on the RAM-K are normally [redacted] apart at the 25X1
base. However, they are [redacted] apart at the base on this newly modified RAM-K. The repositioned stabilizers appear to be attached near the sides of the fuselage, rather than over the engines as on other RAM-K variants. In addition, the stabilizers on the RAM-K previously seen at Plant 126 were canted outward. The stabilizers on the newly modified RAM-K appear to be vertical. However, other RAM-K variants have also been seen with stabilizers positioned vertically. 25X1

20. (S/WN) The wings of the newly modified RAM-K may also be different from other variants. The wingspan is [redacted] other RAM-K variants have wingspans of [redacted] 25X1
meters. In addition, there is a [redacted] object on the tip of each wing on the newly modified 25X1
RAM-K. The function of this object could not be determined because of the canvas covering.

21. (S/WN) Additionally, the modified RAM-K appears to have an aft extension to the fuselage between and above the engine exhaust nozzles. The extension is [redacted] long and 25X1
comes to a point. It is located where the parabrake housing usually is located. However, it is probably too long and extends too far into the exhaust stream to support a parabrake.

22. (S/WN) Just prior to the sighting of this new aircraft, the RAM-K and RAM-K fuselage normally seen in the checkout area near the support and test building were removed. The RAM-K fuselage was last seen on [redacted] and the RAM-K was last seen in that area on [redacted] 25X1
[redacted] 25X1

23. (S/WN) The northwest plant area has previously been thought to be associated more with missile production than aircraft production. [redacted] 25X1
[redacted] 25X1
[redacted] Five to eight 10-meter containers are usually seen in or just 25X1
outside the missile checkout area (item 49, Figure 4). However, the observance of FITTER aircraft being taken from the final assembly hall in the northwest plant area and the presence of the RAM-K fuselage (Figure 6) indicate that this plant area has been and probably will continue to be mainly aircraft associated.

24. (S/WN) FITTER production was generally high during the reporting period, although the numbers of FITTER observed fluctuated radically (Chart 1). Sixty-eight were present on [redacted] 25X1
[redacted] the high for the period, while only 15 were present on [redacted] Probable 25X1
FITTER K aircraft (Figure 8) were observed as early as [redacted] The FITTER K is distinguishable 25X1
from FITTER E, F, G, H, and J aircraft by a bulged aft fuselage, a large dorsal spine, two cockpits, and engine cooling scoops in a different position.

25. (S/WN) Normal transport activity relating to the delivery of FITTER aircraft to operational bases was observed throughout the period. The FITTER aircraft destined for Soviet forces are generally either flown to their bases or delivered, on pallets, in transport aircraft. Only those FITTER aircraft for export are partially disassembled and placed in shipping containers.

REFERENCES

IMAGERY

(S/WN) All available imagery acquired from [redacted] was used in the preparation of this report. 25X1

MAP OR CHART

SAC. US Air Target Chart, Series 200, Sheet 0204-8, scale 1:200,000 (UNCLASSIFIED)

RELATED DOCUMENTS

NPIC. [redacted], RCA-09/0017/78, *Komsomolsk Airframe Plant Ordzhonikidze 126, USSR (S)*, Jun 78 (TOP SECRET [redacted]) 25X1 25X1

NPIC. [redacted] RCA-09/0022/74, *Komsomolsk Airframe Plant Ordzhonikidze 126, USSR (S)*, Nov 73 (TOP SECRET [redacted]) 25X1 25X1

NPIC. [redacted] RCA-09/0045/71, *Komsomolsk Airframe Plant Ordzhonikidze 126*, May 71 (TOP SECRET [redacted]) 25X1 25X1

NPIC. [redacted] RCA-09/0006/70, *Komsomolsk Airframe Plant Ordzhonikidze 126*, Jan 70 (TOP SECRET [redacted]) 25X1 25X1

FTD. [redacted] *Komsomolsk Airframe Plant Ordzhonikidze 126*, Jul 74 (TOP SECRET [redacted]) 25X1

REQUIREMENT

COMIREX J02
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Distribution 86-004

(S) Comments and queries regarding this report are welcome. They may be directed to [redacted] 25X1
Warsaw Pact Forces Division, Imagery Exploitation Group, NPIC, [redacted] 25X1

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Table 2.
Komsomolsk Airframe Plant Ordzhonikidze 126
(Items Keyed to Figure 4)
This table in its entirety is classified SECRET/WNINTEL

Item	Description	Dimensions (m) L	W	H	Floorspace (sq m)	Date Completed	Remarks
Northwest Plant Area							
1	Subassem bldg				–	–	
a	Subassem sec				3.800	Aug 79	2 bay addition
b	Subassem sec				24.523	–	
c	Admin wngr sec				3.876	Aug 79	4 stories
d	Admin wngr sec				2.508	Aug 79	4 stories
e	Admin wngr sec				2.508	–	4 stories
2	Subassem bldg				18.594	Mar 58	Includes admin wngr section
3	Compressor bldg				1.450	Apr 64	2 connected bldgs
4	Admin security bldg				978	Apr 64	
5	Subassem bldg				–	–	
a	Spt sec				374	Sep 80	
b	Subassem sec				11.999	Mar 58	
6	Stor bldg				318	Dec 72	
7	Stor bldg				642	Jul 72	
8	Spt bldg				188	Dec 72	
9	Shop bldg				864	Sep 80	
10	Spt bldg				382	Mar 58	
11	Spt bldg				193	Mar 58	
12	Shop bldg				2.250	Apr 64	
13	Shop bldg				989	Jul 77	
14	Subassem bldg				25.922	Mar 58	
15	Spt bldg				287	Jan 82	
16	Substation				–	Aug 68	
17	Assem bldg				66.257	Jul 74	
18	Shop bldg				5.564	Jan 65	
19	Shop bldg				3.419	Mar 58	
20	Compressor bldg				325	Mar 58	
21	Stor bldg				456	Sep 76	
22	Stor bldg				750	Mar 78	
23	Forge/foundry				5.797	Jun 82	
24	Unid Construction	–	–	–	–	–	Possible personnel shelter. 1.624 sq m surface area; construction began in May 80; prev bldg razed in Feb 80 for construction; contained 272 sq m of floorspace
25	Spt bldg				272	Mar 58	
26	Spt bldg				536	Mar 58	
27	Spt bldg				272	Mar 58	
28	Spt bldg				536	Mar 58	
29	Spt bldg				272	Mar 58	
30	Spt bldg				272	Mar 58	
31	Spt bldg				272	Mar 58	
32	Spt bldg				272	Mar 58	
33	Spt bldg				272	Mar 58	
34	Spt bldg				272	Mar 58	
35	Spt bldg				272	Mar 58	
36	Spt bldg				272	Mar 58	
37	Shop bldg				938	Mar 58	
38	Stor bldg				240	Feb 80	
39	Admin bldg				233	Mar 58	
40	Vehicle maint bldg				225	Mar 58	
41	Power plant				2.255	Mar 58	
42	Vehicle maint bldg				347	Mar 58	
43	Shop bldg				875	Mar 58	
44	Warehouse				782	Jun 62	
45	Warehouse				782	Mar 58	
46	Transshipment bldg				2.161	Feb 72	
47	Stor bldg				289	Mar 76	
48	Unid construction				1.605	–	Construction began in Jul 78
49	Missile checkout area				–	Jan 59	
50	Warehouse				834	Mar 58	
51	Warehouse				424	Mar 58	

Horizontal measurements are accurate to within [redacted] and vertical to within [redacted] both within a 95% confidence interval.

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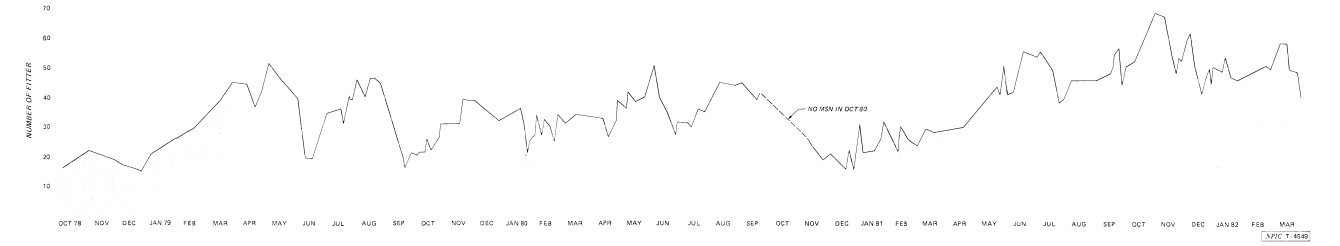

CHART 1. FITTER SIGHTINGS AT KOMSOMOLSK AIRFRAME PLANT ORDZHONIKIDZE 126 OCTOBER 1978 – MARCH 1982

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